

US EPA ARCHIVE DOCUMENT



4-23-96

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 23 1996

OFFICE OF
PREVENTION, PESTICIDES, AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: IPRODIONE: Reassessed Upper Bound Carcinogenic
Dietary Exposure and Risk Estimates Resulting From the
Deletion of Cowpeas and Peanut Hay.

FROM: Brian Steinwand *BS*
Dietary Risk Evaluation Section
Science Analysis Branch/HED (7509C)

THROUGH: Elizabeth Doyle, Section Head *E.A. Doyle*
Dietary Risk Evaluation Section
SAB/Health Effects Division *WJH*

TO: J. Housenger/V. Prunier
Special Review Branch
Special Review and Reregistration Division (7508W)

Action Requested

Conduct a carcinogenic dietary risk analyses for iprodione using refined anticipated residue information that resulted from the deletion of cowpeas and peanut hay.

Discussion

Using anticipated residue information based on PDP data, a carcinogenic and acute risk analysis was previously performed. (See memo, B. Steinwand, 2/26/96) resulting in an upper bound cancer risk of 1.5×10^{-5} . A commodity contribution analysis was performed which showed milk products being responsible for 3.4×10^{-6} of the total risk.

The anticipated residues used in this analysis for milk were based on excluding peanut hay and cowpeas from the diet of dairy cattle. Consistent with this, the Registrant amended its label to prohibit feeding peanut hay and remove cowpeas from iprodione labels as risk reduction measures.

CBRS had advised that if peanut hay were excluded from animal diets, anticipated residues for milk would drop from 0.008 ppm to 0.0003 ppm for the national milkshed (See memo, J. Abbotts, 2/15/96). Thus, for the purpose of this analysis, the anticipated residue value used for milk products was 0.0003 ppm (down from 0.0073 ppm used in the previous analysis). Also, the commodity cowpeas was deleted from the risk analysis.

Toxicological Endpoint:

The HED Cancer Peer Review Committee met in 1994 and determined that iprodione should be classified as a group B2 carcinogen (probable human carcinogen) (E. Rinde and L. Taylor memo, 7/27/94). Calculations of Q_1^* s for both mice and rats are found in a B. Fisher memo, 7/19/94. The Q_1^* from the rat study used in this risk analysis was based upon interstitial cell benign tumor rates and was calculated to be $0.0439 \text{ (mg/kg/day)}^{-1}$. The $3/4$ interspecies scaling factor was used to determine human equivalence of the unit risk derived from the animal study.

Residue Information

The raw agricultural commodities which are being considered in the carcinogenic and acute dietary analyses are the published tolerances in 40 CFR § 180.399 and 185.3750. A new tolerance on celery was included in the carcinogenic and acute analyses.

For upper bound carcinogenic risk CBRS provided specific anticipated residues for this analysis (See memo, J. Abbotts, 2/16/96). It should be noted that some anticipated residues were higher than previous estimates found in the J. Abbotts memo of 5/1/95. In a previous analysis (See memo, J. Wintersteen, 6/29/95) anticipated residues based on monitoring data were adjusted for percent crop treated data. BEAD has updated this data (Memo, 12/95, A. Halvorson) and this analysis reflects the revised values used in this analysis.

A summary of the residue information used in the carcinogenic analysis is attached as Table 1. A summary of the commodity contribution for the upper bound carcinogenic analysis is attached as Table 2.

Results

Upper Bound Carcinogenic Exposure

The upper bound carcinogenic risk from food uses of iprodione for the general U.S. population was calculated using the following equation:

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Upper Bound Cancer Risk = Dietary Exposure (ARC) x Q₁*

Based on a Q₁* of 0.0439 (mg/kg/day)⁻¹, the upper bound cancer risk was calculated to be 1.18 x 10⁻⁵ contributed through all the published and new uses for iprodione. The overall upper bound risk appears to be above the range the Agency generally considers negligible for excess life time cancer risk. A summary of the commodity contribution by raw agricultural commodity (RAC) for the overall U.S. population subgroup is attached as Table 2.

The following table lists some of the commodities which are driving the carcinogenic risk for iprodione.

Commodity	Upper Bound Cancer Risk
Wine and Sherry	3.06 x 10 ⁻⁶
Peaches	4.9 x 10 ⁻⁶

Acute Exposure:

The previous analysis (See memo, B. Steinwand, 2/26/96) showed a high end MOE value of 100, which is above the acceptable level and demonstrates no acute dietary concern. As the elimination of cowpeas and the subsequent reduction in anticipated residues for milk products would further reduce this risk, no additional analysis was performed.

Risk Assessment

The chronic and acute risk from iprodione seem to be minimal with the most concern for the carcinogenic estimate. Using a non-threshold model of carcinogenicity, the upper bound carcinogenic risk estimate exceeds the level the Agency generally considers negligible. As such, DRES has concern over the upper bound estimate of carcinogenic risk from iprodione.

cc: DRES; CDBS (J. Abbotts), Caswell 470A, RCAB

TABLE 1

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 470A

DATE: 04/16/96

PAGE: 1

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2yr feeding- rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12,4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M.).	ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000 g*: 0.04390	No data gaps.	WHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
01002AA	BLACKBERRIES	10 RAW-FRESH OR NFS	7F3542	P 25.000000	0.361000	Monitor data	100.00	0.361000
01002AA	BLACKBERRIES	21 COOKED-NFS	7F3542	P 25.000000	0.361000	Monitor data	100.00	0.361000
01002AA	BLACKBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	7F3542	P 25.000000	0.361000	Monitor data	100.00	0.361000
01003AA	BOYSENBERRIES	10 RAW-FRESH OR NFS	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000
01004AA	DEMBERRIES	00 NOT SPECIFIED	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000
01005AA	LOGANBERRIES	00 NOT SPECIFIED	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000
01006AA	RASPBERRIES	10 RAW-FRESH OR NFS	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000
01006AA	RASPBERRIES	15 RAW-FRESH OR CANNED	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000
01006AA	RASPBERRIES	31 COOKED-FRESH OR CANNED	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000
01006AA	RASPBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000
01006AA	RASPBERRIES	70 RAW-FROZEN	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000
01007AA	YOUNGBERRIES	00 NOT SPECIFIED	7F3542	P 25.000000	0.198000	Monitor data	100.00	0.198000
01009AA	BLUEBERRIES	10 RAW-FRESH OR NFS	5E3214	P 15.000000	0.023000	Monitor data	100.00	0.023000
01009AA	BLUEBERRIES	21 COOKED-NFS	5E3214	P 15.000000	0.023000	Monitor data	100.00	0.023000
01009AA	BLUEBERRIES	22 COOKED-FRESH-BAKED	5E3214	P 15.000000	0.023000	Monitor data	100.00	0.023000
01009AA	BLUEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	5E3214	P 15.000000	0.023000	Monitor data	100.00	0.023000
01009AA	BLUEBERRIES	10 RAW-FRESH OR NFS	5E3214	P 15.000000	0.198000	Monitor data	100.00	0.198000
01011AA	CURRANTS	21 COOKED-NFS	5E3214	P 15.000000	0.074000	Monitor data	100.00	0.074000
01011AA	CURRANTS	22 COOKED-FRESH-BAKED	5E3214	P 15.000000	0.074000	Monitor data	100.00	0.074000
01014AA	GRAPES-FRESH	10 RAW-FRESH OR NFS	3F2964	P 10.000000	0.074000	PDP	100.00	0.074000
01014AA	GRAPES-FRESH	21 COOKED-NFS	3F2964	P 10.000000	0.074000	PDP	100.00	0.074000
01014AA	GRAPES-FRESH	31 COOKED-FRESH OR CANNED	3F2964	P 10.000000	0.074000	PDP	100.00	0.074000
01014AA	GRAPES-FRESH	10 RAW-FRESH OR NFS	4H5415	P 50.000000	0.333000C	PDP+ Proc	100.00	0.333000
01014AA	GRAPES-RAISINS	21 COOKED-NFS	4H5415	P 50.000000	0.333000C	PDP+ Proc	100.00	0.333000
01014DA	GRAPES-RAISINS	22 COOKED-FRESH-BAKED	4H5415	P 50.000000	0.333000C	PDP+ Proc	100.00	0.333000
01014JA	GRAPES-JUICE	10 RAW-FRESH OR NFS	3F2964	P 10.000000	0.074000C	PDP+ Proc	100.00	0.074000
01014JA	GRAPES-JUICE	15 RAW-FRESH OR CANNED	3F2964	P 10.000000	0.074000C	PDP+ Proc	100.00	0.074000
01014JA	GRAPES-JUICE	21 COOKED-NFS	3F2964	P 10.000000	0.074000C	PDP+ Proc	100.00	0.074000
01016AA	STRAWBERRIES	10 RAW-FRESH OR NFS	7F3510	P 15.000000	0.266000	Monitor data	100.00	0.266000
01016AA	STRAWBERRIES	21 COOKED-NFS	7F3510	P 15.000000	0.266000	Monitor data	100.00	0.266000
01016AA	STRAWBERRIES	70 RAW-FROZEN	7F3510	P 15.000000	0.266000	Monitor data	100.00	0.266000
03001AA	ALMONDS	10 RAW-FRESH OR NFS	5F3241	P 0.300000	0.100000	Field Trial	100.00	0.100000
03001AA	ALMONDS	22 COOKED-NFS	5F3241	P 0.300000	0.100000	Field Trial	100.00	0.100000
03001AA	ALMONDS	22 COOKED-FRESH-BAKED	5F3241	P 0.300000	0.100000	Field Trial	100.00	0.100000
05001AA	APRICOTS-FRESH	10 RAW-FRESH OR NFS	3F2810	P 20.000000	0.041000	Monitor data	100.00	0.041000
05001AA	APRICOTS-FRESH	21 COOKED-NFS	3F2810	P 20.000000	0.041000	Monitor data	100.00	0.041000
05001AA	APRICOTS-FRESH	31 COOKED-FRESH OR CANNED	3F2810	P 20.000000	0.041000	Monitor data	100.00	0.041000
05001DA	APRICOTS-DRIED	10 RAW-FRESH OR NFS	3F2810	P 20.000000	0.230000C	Monitor + Conc	100.00	0.230000
05001DA	APRICOTS-DRIED	22 COOKED-FRESH-BAKED	3F2810	P 20.000000	0.230000C	Monitor + Conc	100.00	0.230000
05002AA	CHERRIES-FRESH	10 RAW-FRESH OR NFS	2F2596	P 20.000000	0.340000	Monitor data	100.00	0.340000

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ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 470A

DATE: 04/16/96

PAGE: 2

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2Yr feeding- Rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12,4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).	ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000 Q*: 0.04390	No data gaps.	WHO reviewed 1977 HEB reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/RR reviewed 02/10/94 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
05002AA	CHERRIES-FRESH	21 COOKED-NFS	2F2596	P 20.000000	0.340000	Monitor data	100.00	0.340000
05002AA	CHERRIES-FRESH	31 COOKED-FRESH OR CANNED	2F2596	P 20.000000	0.340000	Monitor data	100.00	0.340000
05002AA	CHERRIES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	2F2596	P 20.000000	0.340000	Monitor data	100.00	0.340000
05002DA	CHERRIES-DRIED	00 NOT SPECIFIED	2F2596	P 20.000000	2.070000C	Monitor + Conc	100.00	2.070000
05002JA	CHERRIES-JUICE	15 RAW-FRESH OR CANNED	2F2596	P 20.000000	0.340000C	Monitor + Proc	100.00	0.340000
05002JA	CHERRIES-JUICE	21 COOKED-NFS	2F2596	P 20.000000	0.340000C	Monitor + Proc	100.00	0.340000
05003AA	NECTARINES	10 RAW-FRESH OR NFS	2F2596	P 20.000000	0.220000	Monitor data	100.00	0.220000
05004AA	PEACHES-FRESH	10 RAW-FRESH OR NFS	2F2596	P 20.000000	0.517000	PDP	100.00	0.517000
05004AA	PEACHES-FRESH	21 COOKED-NFS	2F2596	P 20.000000	0.517000	PDP	100.00	0.517000
05004AA	PEACHES-FRESH	31 COOKED-FRESH OR CANNED	2F2596	P 20.000000	0.517000	PDP	100.00	0.517000
05004AA	PEACHES-FRESH	51 COOKED-CANNED	2F2596	P 20.000000	0.517000	PDP	100.00	0.517000
05004DA	PEACHES-DRIED	10 RAW-FRESH OR NFS	2F2596	P 20.000000	3.520000C	PDP + Conc	100.00	3.520000
05005AA	PLUMS-FRESH	10 RAW-FRESH OR NFS	3F2810	P 20.000000	0.069000	Monitor data	100.00	0.069000
05005AA	PLUMS-FRESH	31 COOKED-FRESH OR CANNED	3F2810	P 20.000000	0.069000	Monitor data	100.00	0.069000
05005DA	PLUMS-PRUNES	10 RAW-FRESH OR NFS	3F2810	P 20.000000	0.276000C	Monitor + Proc	100.00	0.276000
05005DA	PLUMS-PRUNES	31 COOKED-NFS	3F2810	P 20.000000	0.276000C	Monitor + Proc	100.00	0.276000
05005JA	PRUNE-JUICE	10 RAW-FRESH OR NFS	3F2810	P 20.000000	0.138000C	Monitor + Conc	100.00	0.138000
05005JA	PRUNE-JUICE	62 COOKED-FRESH OR FROZEN-BAKED	3F2810	P 20.000000	0.138000C	Monitor + Conc	100.00	0.138000
U-018AA	KIWI	10 RAW-FRESH OR NFS	2F2596	P 10.000000	0.180000	Monitor data	100.00	0.180000
13002AA	CELERY	10 RAW-FRESH OR NFS	SPC.RV	N 0.005000	0.005000	PDP	100.00	0.005000
13002AA	CELERY	21 COOKED-NFS	SPC.RV	N 0.005000	0.005000	PDP	100.00	0.005000
13005AA	BROCCOLI	21 COOKED-NFS	6F3305	P 25.000000	0.001600	Monitor data	100.00	0.001600
13005AA	BROCCOLI	31 COOKED-FRESH OR CANNED	6F3305	P 25.000000	0.001600	Monitor data	100.00	0.001600
13005AA	BROCCOLI	63 COOKED-FRESH OR FROZEN-BOILED	6F3305	P 25.000000	0.001600	Monitor data	100.00	0.001600
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	9E3390	P 15.000000	0.003400	Regional Tol-Fl	100.00	0.003400
13010AA	CABBAGE-CHINESE	21 COOKED-NFS	7F3481	P 25.000000	0.040000	Monitor data	100.00	0.040000
13013AA	LETTUCE-LEAFY	10 RAW-FRESH OR NFS	7F3554	P 25.000000	0.040000	Monitor data	100.00	0.040000
13020AA	LETTUCE-UNSPEC	10 RAW-FRESH OR NFS	3F2840	P 25.000000	0.004800	Monitor data	100.00	0.004800
13045AA	LETTUCE-HEAD	10 RAW-FRESH OR NFS	3F2840	P 25.000000	0.004800	Monitor data	100.00	0.004800
13045AA	LETTUCE-HEAD	21 COOKED-NFS	7E3474	P 5.000000	0.021000	Monitor +PDP	100.00	0.021000
14003AA	CARROTS	10 RAW-FRESH OR NFS	7E3474	P 5.000000	0.021000	Monitor +PDP	100.00	0.021000
14003AA	CARROTS	21 COOKED-NFS	7E3474	P 5.000000	0.021000	Monitor +PDP	100.00	0.021000
14003AA	CARROTS	23 COOKED-FRESH-BOILED	7E3474	P 5.000000	0.021000	Monitor +PDP	100.00	0.021000
14003AA	CARROTS	31 COOKED-FRESH OR CANNED	7E3474	P 5.000000	0.021000	Monitor +PDP	100.00	0.021000
14003AA	CARROTS	51 COOKED-CANNED	7E3474	P 5.000000	0.021000	Monitor +PDP	100.00	0.021000
14007AA	GARLIC	10 RAW-FRESH OR NFS	3F2841	P 0.100000	0.008800	Monitor data	100.00	0.008800
14007AA	GARLIC	21 COOKED-NFS	3F2841	P 0.100000	0.008800	Monitor data	100.00	0.008800
14007AA	GARLIC	32 COOKED-FRESH OR CANNED-BAKED	3F2841	P 0.100000	0.008800	Monitor data	100.00	0.008800

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ANTICIPATED RESIDUE INFORMATION FOR CASHELL NUMBER 470A

DATE: 04/16/96

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2yr feeding- rat NOEL= 6,1000 mg/kg 150.00 Ppm LEL= 12,4000 mg/kg 300.00 Ppm	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).	ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000 Q*: 0.04390	No data gaps.	WHO reviewed 1977 HEP reviewed 12/19/86 EPA verified 07/15/87 MHO reviewed 1992 RfD/PR reviewed 02/10/94 ON IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
14011AA	ONIONS-DRY-BULB	10 RAW-FRESH OR NFS	4F3111	0.500000	0.008800	Monitor data	100.00	0.008800
14011AA	ONIONS-DRY-BULB	21 COOKED-NFS	4F3111	0.500000	0.008800	Monitor data	100.00	0.008800
14011AA	ONIONS-DRY-BULB	22 COOKED-FRESH-BAKED	4F3111	0.500000	0.008800	Monitor data	100.00	0.008800
14011AA	ONIONS-DRY-BULB	31 COOKED-FRESH OR CANNED	4F3111	0.500000	0.008800	Monitor data	100.00	0.008800
14011DA	ONIONS-DRY-BULB	12 RAW-FRESH-DRIED	4F3111	0.500000	0.008800	Monitor data	100.00	0.008800
14013AA	POTATO(WH)-WHOLE	10 RAW-FRESH OR NFS	6F3366	0.500000	0.001400C	PDP	100.00	0.001400
14013AA	POTATO(WH)-WHOLE	21 COOKED-NFS	6F3366	0.500000	0.001400C	PDP	100.00	0.001400
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	6F3366	0.500000	0.001400C	PDP	100.00	0.001400
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	6F3366	0.500000	0.001400C	PDP	100.00	0.001400
14013AB	POTATO(WH)-UNSP	22 COOKED-FRESH-BAKED	6F3366	0.500000	0.001400C	PDP	100.00	0.001400
14013AC	POTATO(WH)-PULP	21 COOKED-NFS	6F3366	0.500000	0.001400C	PDP + Proc	100.00	0.001400
14013AC	POTATO(WH)-PULP	22 COOKED-FRESH-BAKED	6F3366	0.500000	0.001400C	PDP + Proc	100.00	0.001400
14013AC	POTATO(WH)-PULP	23 COOKED-FRESH-BOILED	6F3366	0.500000	0.001400C	PDP + Proc	100.00	0.001400
14013AC	POTATO(WH)-PULP	25 COOKED-FRESH-FRIED	6F3366	0.500000	0.001400C	PDP + Proc	100.00	0.001400
14013DA	POTATO(WH)-DRY	10 RAW-FRESH OR NFS	6F3366	0.500000	0.001400C	PDP data	100.00	0.001400
14013DA	POTATO(WH)-DRY	31 COOKED-FRESH OR CANNED	6F3366	0.500000	0.001400C	PDP data	100.00	0.001400
14013HA	POTATO(WH)-PEEL	22 COOKED-FRESH-BAKED	6F3366	0.500000	0.001400C	PDP + Proc	100.00	0.001400
14017AA	SHALLOTS	00 NOT SPECIFIED	4F3111	0.500000	0.008800	Monitor data	100.00	0.008800
15001AA	BEANS-DRY-GRT	NO 00 NOT SPECIFIED	4F3150	2.000000	0.000050	Monitor data	100.00	0.000050
15001AB	BEANS-DRY-KIDNEY	21 COOKED-NFS	4F3150	2.000000	0.000050	Monitor data	100.00	0.000050
15001AB	BEANS-DRY-KIDNEY	31 COOKED-FRESH OR CANNED	4F3150	2.000000	0.000050	Monitor data	100.00	0.000050
15001AC	BEANS-DRY-LIMA	21 COOKED-NFS	4F3150	2.000000	0.000050	Monitor data	100.00	0.000050
15001AD	BEANS-DRY-NAVY	21 COOKED-NFS	4F3150	2.000000	0.000050	Monitor data	100.00	0.000050
15001AD	BEANS-DRY-NAVY	31 COOKED-FRESH OR CANNED	4F3150	2.000000	0.000050	Monitor data	100.00	0.000050
15001AF	BEANS-DRY-PINTO	21 COOKED-NFS	4F3150	2.000000	0.000050	Monitor data	100.00	0.000050
15002AA	BEANS-SUCC-LIMA	10 RAW-FRESH OR NFS	4F3150	2.000000	0.001600	Monitor data	100.00	0.001600
15002AA	BEANS-SUCC-LIMA	21 COOKED-NFS	4F3150	2.000000	0.001600	Monitor data	100.00	0.001600
15003AA	BEANS-SUCC-GREEN	21 COOKED-NFS	4F3150	2.000000	0.001600	Monitor data	100.00	0.001600
15003AB	BEANS-SUCC-OTH	10 RAW-FRESH OR NFS	4F3150	2.000000	0.001600	Monitor data	100.00	0.001600
15003AB	BEANS-SUCC-OTH	21 COOKED-NFS	4F3150	2.000000	0.001600	Monitor data	100.00	0.001600
15003AC	BEANS-SUCC-MAX	21 COOKED-NFS	4F3150	2.000000	0.001600	Monitor data	100.00	0.001600
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS	4F3129	0.500000	0.075000	Field Trial	100.00	0.075000
15006AA	PEANUTS-WHOLE	21 COOKED-NFS	4F3129	0.500000	0.075000	Field Trial	100.00	0.075000
15013AA	MUNG BEANS	10 RAW-FRESH OR NFS	4F3150	2.000000	0.001600	Monitor data	100.00	0.001600
15013AA	MUNG BEANS	21 COOKED-NFS	4F3150	2.000000	0.001600	Monitor data	100.00	0.001600
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED	4F3150	2.000000	0.000050	Monitor data	100.00	0.000050
15022AB	BEANS-SUCC-BROAD	00 NOT SPECIFIED	4F3150	2.000000	0.001600	Monitor data	100.00	0.001600
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS	4F3150	2.000000	0.000050	Monitor data	100.00	0.000050
15027AA	BEANS-UMSPEC	21 COOKED-NFS	4F3150	2.000000	0.001600	Monitor data	100.00	0.001600
15030AA	BEANS-DRY-HYAC	00 NOT SPECIFIED	4F3150	2.000000	0.000050	Monitor data	100.00	0.000050

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ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 470A

DATE: 04/16/96

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2yr feeding- rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12,4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).	ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000 q+: 0.04390	No data gaps.	WHO reviewed 1977 HEP reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 ON IRIS.

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
15030AB	BEANS-SUCC-HYAC	00 NOT SPECIFIED	4F3150	2.000000	0.001600	Monitor data	100.00	0.001600
15031AA	BLKEYE PEAS-DRY	21 COOKED-NFS	4F3150	2.000000	0.000050	Monitor data	100.00	0.000050
15032AA	BEANS-DRY	21 COOKED-NFS	4F3150	2.000000	0.000050	Monitor data	100.00	0.000050
15032AA	BEANS-DRY	31 COOKED-FRESH OR CANNED	4F3150	2.000000	0.000050	Monitor data	100.00	0.000050
24004AA	RICE-ROUGH	23 COOKED-FRESH-BOILED	6F3443	10.000000	0.570000	Field Trial	100.00	0.570000
24004AA	RICE-ROUGH	23 COOKED-FRESH-BOILED	6F3443	10.000000	0.570000	Field Trial	100.00	0.570000
24004AB	RICE-MILLED	21 COOKED-NFS	6F3443	10.000000	0.063000	Field + Proc	100.00	0.063000
24004AB	RICE-MILLED	22 COOKED-FRESH-BAKED	6F3443	10.000000	0.063000	Field + Proc	100.00	0.063000
24004AB	RICE-MILLED	23 COOKED-FRESH-BOILED	6F3443	10.000000	0.063000	Field + Proc	100.00	0.063000
24004AB	RICE-MILLED	31 COOKED-FRESH OR CANNED	6F3443	10.000000	0.063000	Field + Proc	100.00	0.063000
270070A	PEANUTS-OIL	18 PROCESSED OIL	4F3129	0.050000	0.012000	Field + Proc	100.00	0.012000
43058AA	WINE AND SHERRY	10 RAW-FRESH OR NFS	3F2964	10.000000	0.830000	Monitor data	100.00	0.830000
43058AA	WINE AND SHERRY	21 COOKED-NFS	3F2964	10.000000	0.830000	Monitor data	100.00	0.830000
50000DB	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS	4F3129	0.500000	0.000300	Feeding stdy	100.00	0.000300
50000DB	MILK-NON-FAT SOL	21 COOKED-NFS	4F3129	0.500000	0.000300	Feeding stdy	100.00	0.000300
50000DB	MILK-NON-FAT SOL	51 COOKED-CANNED	4F3129	0.500000	0.000300	Feeding stdy	100.00	0.000300
50000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS	4F3129	0.500000	0.000300	Feeding stdy	100.00	0.000300
50000FA	MILK-FAT SOLIDS	21 COOKED-NFS	4F3129	0.500000	0.000300	Feeding stdy	100.00	0.000300
50000FA	MILK-FAT SOLIDS	51 COOKED-CANNED	4F3129	0.500000	0.000300	Feeding stdy	100.00	0.000300
50000SA	MILK SUG (LACT)	51 COOKED-CANNED	4F3129	0.500000	0.000300	Feeding stdy	100.00	0.000300
53001BA	BEEF-MEAT BYP	21 COOKED-NFS	4F3129	0.500000	0.000870	Feeding stdy	100.00	0.000870
53001BA	BEEF-MEAT BYP	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	4F3129	0.500000	0.000870	Feeding stdy	100.00	0.000870
53001BB	BEEF-OTH ORGAN	21 COOKED-NFS	4F3129	0.500000	0.009900	Feeding stdy	100.00	0.009900
53001BB	BEEF-OTH ORGAN	51 COOKED-CANNED	4F3129	0.500000	0.009900	Feeding stdy	100.00	0.009900
53001DA	BEEF-DRIED	21 COOKED-NFS	4F3129	0.500000	0.000870	Feeding stdy	100.00	0.000870
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	4F3129	0.500000	0.002600	Feeding stdy	100.00	0.002600
53001FA	BEEF-FAT	21 COOKED-NFS	4F3129	0.500000	0.002600	Feeding stdy	100.00	0.002600
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	4F3129	0.500000	0.002600	Feeding stdy	100.00	0.002600
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	4F3129	0.500000	0.002600	Feeding stdy	100.00	0.002600
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED	4F3129	0.500000	0.002600	Feeding stdy	100.00	0.002600
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	4F3129	0.500000	0.002600	Feeding stdy	100.00	0.002600
53001KA	BEEF-KIDNEY	21 COOKED-NFS	3F2964	3.000000	0.009900	Feeding stdy	100.00	0.009900
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	3F2964	3.000000	0.008200	Feeding stdy	100.00	0.008200
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	3F2964	3.000000	0.008200	Feeding stdy	100.00	0.008200
53001MA	BEEF-LEAN	10 RAW-FRESH OR NFS	4F3129	0.500000	0.000870	Feeding stdy	100.00	0.000870
53001MA	BEEF-LEAN	21 COOKED-NFS	4F3129	0.500000	0.000870	Feeding stdy	100.00	0.000870
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED	4F3129	0.500000	0.000870	Feeding stdy	100.00	0.000870
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED	4F3129	0.500000	0.000870	Feeding stdy	100.00	0.000870

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 470A

DATE: 04/16/96

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CHEMICAL Iprodione (Glycophane) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	STUDY TYPE 2yr feeding- rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12,4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)	EFFECTS Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).	REFERENCE DOSES ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000 Q*: 0.04390	DATA GAPS/COMMENTS No data gaps.	STATUS WHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 ON IRIS.

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
53001MA	BEEF-LEAN	24 COOKED-FRESH-BROLLED	4F3129	0.500000	0.000870	Feeding stdy	100.00	0.000870
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED	4F3129	0.500000	0.000870	Feeding stdy	100.00	0.000870
53002BB	GOAT-OTH ORGAN	00 NOT SPECIFIED	4F3129	0.500000	0.009900	Feeding stdy	100.00	0.009900
53002FA	GOAT-FAT	23 COOKED-FRESH-BOILED	4F3129	0.500000	0.002600	Feeding stdy	100.00	0.002600
53002FA	GOAT-FAT	25 COOKED-FRESH-FRIED	4F3129	0.500000	0.002600	Feeding stdy	100.00	0.002600
53002KA	GOAT-KIDNEY	00 NOT SPECIFIED	3F2964	3.000000	0.009900	Feeding stdy	100.00	0.009900
53002LA	GOAT-LIVER	00 NOT SPECIFIED	3F2964	3.000000	0.008200	Feeding stdy	100.00	0.008200
53002MA	GOAT-LEAN	23 COOKED-FRESH-BOILED	4F3129	0.500000	0.000870	Feeding stdy	100.00	0.000870
53002MA	GOAT-LEAN	25 COOKED-FRESH-FRIED	4F3129	0.500000	0.000870	Feeding stdy	100.00	0.000870
53003AA	HORSE	00 NOT SPECIFIED	4F3129	3.000000	3.000000	Tolerance	100.00	3.000000
53005BA	SHEEP-MEAT BYP	21 COOKED-NFS	4F3129	0.500000	0.000870	Feeding stdy	100.00	0.000870
53005BB	SHEEP-OTH ORGAN	21 COOKED-NFS	4F3129	0.500000	0.009900	Feeding stdy	100.00	0.009900
53005FA	SHEEP-FAT	21 COOKED-NFS	4F3129	0.500000	0.002600	Feeding stdy	100.00	0.002600
53005KA	SHEEP-KIDNEY	21 COOKED-NFS	3F2964	3.000000	0.009900	Feeding stdy	100.00	0.009900
53005LA	SHEEP-LIVER	00 NOT SPECIFIED	3F2964	3.000000	0.008200	Feeding stdy	100.00	0.008200
53005MA	SHEEP-LEAN	21 COOKED-NFS	4F3129	0.500000	0.000870	Feeding stdy	100.00	0.000870
53005BA	SHEEP-LEAN	31 COOKED-FRESH OR CANNED	4F3129	0.500000	0.000370	Feeding stdy	100.00	0.000370
53006BA	PORK-MEAT BYP	21 COOKED-NFS	4F3129	0.500000	0.004300	Feeding stdy	100.00	0.004300
53006BB	PORK-OTH ORGAN	21 COOKED-NFS	4F3129	0.500000	0.004300	Feeding stdy	100.00	0.004300
53006BB	PORK-OTH ORGAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	4F3129	0.500000	0.001100	Feeding stdy	100.00	0.001100
53006FA	PORK-FAT	10 RAW-FRESH OR NFS	4F3129	0.500000	0.001100	Feeding stdy	100.00	0.001100
53006FA	PORK-FAT	21 COOKED-NFS	4F3129	0.500000	0.001100	Feeding stdy	100.00	0.001100
53006FA	PORK-FAT	23 COOKED-FRESH-BOILED	4F3129	0.500000	0.001100	Feeding stdy	100.00	0.001100
53006FA	PORK-FAT	25 COOKED-FRESH-FRIED	4F3129	0.500000	0.001100	Feeding stdy	100.00	0.001100
53006FA	PORK-FAT	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	4F3129	0.500000	0.001100	Feeding stdy	100.00	0.001100
53006KA	PORK-KIDNEY	21 COOKED-NFS	3F2964	3.000000	0.004300	Feeding stdy	100.00	0.004300
53006LA	PORK-LIVER	21 COOKED-NFS	3F2964	3.000000	0.003500	Feeding stdy	100.00	0.003500
53006LA	PORK-LIVER	25 COOKED-FRESH-FRIED	3F2964	3.000000	0.003500	Feeding stdy	100.00	0.003500
53006MA	PORK-LEAN	25 COOKED-NFS	4F3129	0.500000	0.000370	Feeding stdy	100.00	0.000370
53006MA	PORK-LEAN	25 COOKED-FRESH-FRIED	4F3129	0.500000	0.000370	Feeding stdy	100.00	0.000370
53006MA	PORK-LEAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	4F3129	0.500000	0.000370	Feeding stdy	100.00	0.000370
53006MA	PORK-LEAN	21 COOKED-NFS	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
53006MA	PORK-LEAN	21 COOKED-NFS	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
53006MA	PORK-LEAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
53008BA	TURKEY-BYP	21 COOKED-NFS	6F3443	5.000000	0.010400	Feeding stdy	100.00	0.010400
53008BA	TURKEY-BYP	25 COOKED-FRESH-FRIED	6F3443	5.000000	0.010400	Feeding stdy	100.00	0.010400
53008LA	TURKEY ORGAN	21 COOKED-NFS	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
53008MA	TURKEY W/O SKIN	21 COOKED-NFS	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
53008MA	TURKEY W/O SKIN	31 COOKED-FRESH OR CANNED	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
53008MA	TURKEY W/O SKIN	62 COOKED-FRESH OR FROZEN-BAKED	6F3443	1.000000	0.004400	Feeding stdy	100.00	0.004400
53008MB	TURKEY+SKIN	21 COOKED-NFS	6F3443	3.500000	0.004400	Feeding stdy	100.00	0.004400
53008MB	TURKEY+SKIN	25 COOKED-FRESH-FRIED	6F3443	3.500000	0.004400	Feeding stdy	100.00	0.004400

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ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 470A

DATE: 04/16/96

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2yr feeding - rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12,4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).	ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000 q+: 0.04390	No data gaps.	HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
55008MC	TURKEY-UNSPEC	21 COOKED-NFS	6F3443	1.000000	0.004400	Feeding stdy	100.00	0.004400
55013BA	POULTRY,OTH-BYP	00 NOT SPECIFIED	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
55013LA	POULTRY,ORGAN	25 COOKED-FRESH-FRIED	6F3443	5.000000	0.010400	Feeding stdy	100.00	0.010400
55013MA	POULTRY,OTHER	21 COOKED-NFS	6F3443	3.500000	0.004400	Feeding stdy	100.00	0.004400
55014AA	EGGS-WHOLE	10 RAW-FRESH OR NFS	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AA	EGGS-WHOLE	21 COOKED-NFS	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AA	EGGS-WHOLE	22 COOKED-FRESH-BAKED	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AA	EGGS-WHOLE	23 COOKED-FRESH-BOILED	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AB	EGGS-WHOLE	25 COOKED-FRESH-FRIED	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AB	EGGS-WHITE ONLY	10 RAW-FRESH OR NFS	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AB	EGGS-WHITE ONLY	21 COOKED-NFS	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AB	EGGS-WHITE ONLY	22 COOKED-FRESH-BAKED	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AB	EGGS-WHITE ONLY	62 COOKED-FRESH OR FROZEN-BAKED	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AB	EGGS-WHITE ONLY	81 COOKED-FROZEN	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AC	EGGS-YOLK ONLY	10 RAW-FRESH OR NFS	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AC	EGGS-YOLK ONLY	21 COOKED-NFS	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AC	EGGS-YOLK ONLY	25 COOKED-FRESH-FRIED	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AC	EGGS-YOLK ONLY	31 COOKED-FRESH OR CANNED	6F3443	1.500000	0.002400	Feeding stdy	100.00	0.002400
55014AC	EGGS-YOLK ONLY	00 NOT SPECIFIED	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
55015BA	CHICKEN-BYP	21 COOKED-NFS	6F3443	5.000000	0.010400	Feeding stdy	100.00	0.010400
55015LA	CHICKEN-ORGAN	25 COOKED-FRESH-FRIED	6F3443	5.000000	0.010400	Feeding stdy	100.00	0.010400
55015LA	CHICKEN-ORGAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	6F3443	5.000000	0.010400	Feeding stdy	100.00	0.010400
55015LA	CHICKEN-W/O SKIN	21 COOKED-NFS	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
55015MA	CHICKEN-W/O SKIN	22 COOKED-FRESH-BAKED	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
55015MA	CHICKEN-W/O SKIN	25 COOKED-FRESH-FRIED	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
55015MA	CHICKEN-W/O SKIN	31 COOKED-FRESH OR CANNED	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
55015MA	CHICKEN-W/O SKIN	53 COOKED-CANNED-BOILED	6F3443	1.000000	0.000570	Feeding stdy	100.00	0.000570
55015MA	CHICKEN+SKIN	21 COOKED-NFS	6F3443	3.500000	0.004400	Feeding stdy	100.00	0.004400
55015MB	CHICKEN+SKIN	25 COOKED-FRESH-FRIED	6F3443	3.500000	0.004400	Feeding stdy	100.00	0.004400

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 04/16/96

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TABLE a

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2Yr feeding- rat NOEL= 6.1000 mg/kg 150.00 ppm LEL= 12.4000 mg/kg 300.00 ppm ONCO: B2 (HSPRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).	ADI OPR RfD= 0.060000 EPA RfD= 0.040000 q*: 0.04390	No data gaps.	WHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE (UG/KG/DAY)	TMRC	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
06018AA	KIWI	10.000	P	0.000191	0.000	0.00000000838	0.18000	0.000003	0.000	0.00000000013
43058AA	WINE AND SHERRY	10.000	P	0.841956	1.403	0.00003696187	0.83000	0.069054	0.115	0.00000303147
	10 RAW-FRESH OR NFS						0.83000	0.000828	0.001	0.00000003635
	21 COOKED-NFS									
CROP GROUP TOTALS FOR UNSPECIFIED:										
				0.842147	1.404	0.00003697025		0.069885	0.116	0.00000306795

14003AA	CARROTS	5.000	P	0.867397	1.446	0.00003807873	0.02100	0.000843	0.001	0.00000003701
	10 RAW-FRESH OR NFS						0.02100	0.001067	0.002	0.00000004684
	21 COOKED-NFS						0.02100	0.000191	0.000	0.00000000838
	23 COOKED-FRESH-BOILED						0.02100	0.000697	0.001	0.00000003060
	31 COOKED-FRESH OR CANNED						0.02100	0.000846	0.001	0.00000003714
	51 COOKED-CANNED									
14013AA	POTATOES(WHITE)-WHOLE	0.500	P	0.170029	0.283	0.00000746427	0.00140	0.000064	0.000	0.00000000281
	10 RAW-FRESH OR NFS						0.00140	0.000210	0.000	0.00000000922
	21 COOKED-NFS						0.00140	0.000202	0.000	0.00000000887
	22 COOKED-FRESH-BAKED									
14013AB	POTATOES(WHITE)-UNSPECIFIED	0.500	P	0.000041	0.000	0.00000000180	0.00140	0.000000	0.000	0.00000000000
	22 COOKED-FRESH-BAKED									
14013AC	POTATOES(WHITE)-PEELED	0.500	P	0.392129	0.654	0.00001721446	0.00140	0.000101	0.000	0.00000000443
	21 COOKED-NFS						0.00140	0.000060	0.000	0.00000000263
	22 COOKED-FRESH-BAKED						0.00140	0.000607	0.001	0.00000002665
	23 COOKED-FRESH-BOILED						0.00140	0.000330	0.001	0.00000001449
	25 COOKED-FRESH-FRIED									
14013DA	POTATOES(WHITE)-DRY	0.500	P	0.004223	0.007	0.00000018539	0.00140	0.000001	0.000	0.00000000004
	10 RAW-FRESH OR NFS						0.00140	0.000001	0.000	0.00000000004
	31 COOKED-FRESH OR CANNED									
14013HA	POTATOES(WHITE)-PEEL ONLY	0.500	P	0.000011	0.000	0.00000000048	0.00140	0.000000	0.000	0.00000000000
	22 COOKED-FRESH-BAKED									

CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:

14007AA	GARLIC	0.100	P	0.000076	0.000	0.000000000334	0.00880	0.000000	0.000	0.00000000000
	10 RAW-FRESH OR NFS						0.00880	0.000004	0.000	0.00000000018
	21 COOKED-NFS						0.00880	0.000002	0.000	0.00000000009
	32 COOKED-FRESH OR CANNED-BAKED									
14011AA	ONIONS-DRY-BULB (CIPOLLINI)	0.500	P	0.053031	0.088	0.00000232806	0.00880	0.000163	0.000	0.000000000716
	10 RAW-FRESH OR NFS						0.00880	0.000623	0.001	0.00000002735
	21 COOKED-NFS						0.00880	0.000091	0.000	0.000000000399
	22 COOKED-FRESH-BAKED									
CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:										
				1.433830	2.390	0.00006294514		0.005220	0.009	0.00000022916

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2yr feeding- rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12,4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenic- ity in mice (liver; M&F) & rats (testicular; M).	ADI UF -->100 Opp RfD= 0.060000 EPA RfD= 0.040000 q*: 0.04390	No data gaps.	MHD reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 MHD reviewed 1992 RfD/PR reviewed 02/10/94 ON IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
14011DA	31 COOKED-FRESH OR CANNED ONIONS-DEHYDRATED OR DRIED	0.500	P	0.000536	0.001	0.00000002353	0.00880	0.000056	0.000	0.00000000246
14017AA	12 RAW-FRESH-DRIED SHALLOTS	0.500	P	0.000153	0.000	0.00000000672	0.00880	0.000003	0.000	0.00000000013
CROP GROUP TOTALS FOR BULB VEGETABLES:				0.053796	0.090	0.00000236164		0.000951	0.002	0.00000004175

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
13002AA	10 RAW-FRESH OR NFS CELERY	0.005	N	1.524027	2.540	0.00006690479	0.00500	0.000239	0.000	0.00000001049
13013AA	21 COOKED-NFS LETTUCE-LEAFY VARIETIES	25.000	P	0.110820	0.185	0.00000486500	0.00500	0.000066	0.000	0.00000000290
13020AA	10 RAW-FRESH OR NFS LETTUCE-UNSPECIFIED	25.000	P	0.230020	0.383	0.00001009788	0.04000	0.000177	0.000	0.00000000777
13045AA	10 RAW-FRESH OR NFS LETTUCE-HEAD VARIETIES	25.000	P	5.307008	8.845	0.00023297765	0.04000	0.000368	0.001	0.00000001616
10 RAW-FRESH OR NFS							0.00480	0.001000	0.002	0.00000004390
21 COOKED-NFS							0.00480	0.000019	0.000	0.00000000083
CROP GROUP TOTALS FOR LEAFY VEGETABLES (EXCL. BRASSICAE):				7.171875	11.953	0.00031484531		0.001869	0.003	0.00000008205

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
13005AA	21 COOKED-NFS BROCCOLI	25.000	P	1.228238	2.047	0.00005391965	0.00160	0.000005	0.000	0.00000000022
31 COOKED-FRESH OR CANNED							0.00160	0.000065	0.000	0.00000000285
63 COOKED-FRESH OR FROZEN-BOILED							0.00160	0.000008	0.000	0.00000000035
13010AA	10 RAW-FRESH OR NFS CABBAGE-CHINESE/CELERY, INC. BOK CHOY	15.000	P	0.068448	0.114	0.00000300487	0.00340	0.000001	0.000	0.00000000004
21 COOKED-NFS							0.00340	0.000015	0.000	0.00000000066
CROP GROUP TOTALS FOR BRASSICA (COLE) LEAFY VEGETABLES:				1.296686	2.161	0.00005692452		0.000094	0.000	0.00000000013

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
15001AA	00 NOT SPECIFIED BEANS-DRY-GREAT NORTHERN	2.000	P	0.000002	0.000	0.00000000009	0.00005	0.000000	0.000	0.00000000000
15001AB	21 COOKED-NFS BEANS-DRY-KIDNEY	2.000	P	0.027263	0.045	0.00000119685	0.00005	0.000001	0.000	0.00000000004
31 COOKED-FRESH OR CANNED							0.00005	0.000000	0.000	0.00000000000
15001AC	21 COOKED-NFS BEANS-DRY-LIMA	2.000	P	0.015978	0.027	0.00000070143	0.00005	0.000000	0.000	0.00000000000
21 COOKED-NFS							0.00005	0.000000	0.000	0.00000000000
15001AD	21 COOKED-NFS BEANS-DRY-NAVY (PEA)	2.000	P	0.074815	0.125	0.00000328438	0.00005	0.000000	0.000	0.00000000000
21 COOKED-NFS							0.00005	0.000001	0.000	0.00000000004
31 COOKED-FRESH OR CANNED							0.00005	0.000001	0.000	0.00000000004

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2yr feeding- rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12,4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenic- ity in mice (liver; M&F) & rats (testicular; M).	ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000 Q*: 0.04390	No data gaps.	WHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
15001AF	BEANS-DRY-PINTO 21 COOKED-NFS	2.000	P	0.072700	0.121	0.00000319153	0.00005	0.000002	0.000	0.00000000009
15002AA	BEANS-SUCCULENT-LIMA 10 RAW-FRESH OR NFS	2.000	P	0.051330	0.086	0.00000225339	0.00160	0.000000	0.000	0.00000000000
15003AA	BEANS-SUCCULENT-GREEN 21 COOKED-NFS	2.000	P	0.400100	0.667	0.00001756439	0.00160	0.000041	0.000	0.00000000180
15003AB	BEANS-SUCCULENT-OTHER 10 RAW-FRESH OR NFS	2.000	P	0.052768	0.088	0.00000231652	0.00160	0.000320	0.001	0.00000001405
15003AC	BEANS-SUCCULENT-YELLOW,WAX 21 COOKED-NFS	2.000	P	0.010927	0.018	0.00000047970	0.00160	0.000000	0.000	0.00000000000
15006AA	PEANUTS-WHOLE 10 RAW-FRESH OR NFS	0.500	P	0.034789	0.058	0.00000152724	0.00160	0.000009	0.000	0.00000000040
15013AA	MUNG BEANS (SPROUTS) 10 RAW-FRESH OR NFS	2.000	P	0.013304	0.022	0.00000058405	0.00160	0.000001	0.000	0.00000000004
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED) 00 NOT SPECIFIED	2.000	P	0.000002	0.000	0.00000000009	0.00005	0.000000	0.000	0.00000000000
15022AB	BEANS-SUCCULENT-BROADBEANS(IMMAT. SEED) 00 NOT SPECIFIED	2.000	P	0.000002	0.000	0.00000000009	0.00160	0.000000	0.000	0.00000000000
15023AA	BEANS-DRY-PIGEON BEANS 21 COOKED-NFS	2.000	P	0.000071	0.000	0.00000000312	0.00005	0.000000	0.000	0.00000000000
15027AA	BEANS-UNSPECIFIED 21 COOKED-NFS	2.000	P	0.010469	0.017	0.00000045959	0.00005	0.000000	0.000	0.00000000000
15030AA	BEANS-DRY-HYACINTH(MATURE SEEDS) 00 NOT SPECIFIED	2.000	P	0.000002	0.000	0.00000000009	0.00160	0.000008	0.000	0.00000000035
15030AB	BEANS-SUCCULENT-HYACINTH(YOUNG PODS) 00 NOT SPECIFIED	2.000	P	0.000002	0.000	0.00000000009	0.00005	0.000000	0.000	0.00000000000
15031AA	BEANS-DRY-BLACKEYE PEAS(COMPPEAS) 21 COOKED-NFS	2.000	P	0.004947	0.008	0.00000021717	0.00160	0.000000	0.000	0.00000000000
15032AA	BEANS-DRY-GARBANZO(CHICK PEA) 21 COOKED-NFS	2.000	P	0.001052	0.002	0.00000004618	0.00005	0.000000	0.000	0.00000000000
270070A	PEANUTS-OIL 18 PROCESSED, OIL	0.050	P	0.002613	0.004	0.00000011471	0.01200	0.000063	0.000	0.00000000277
CROP GROUP TOTALS FOR LEGUME VEGETABLES:				0.773136	1.289	0.00003394067		0.005716	0.010	0.00000025093

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2yr feeding - rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12,4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).	ADI UF -->100 Opp Rfd= 0.060000 EPA Rfd= 0.040000 g*: 0.04390	No data gaps.	WHO reviewed 1977 MED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RFD/PR reviewed 02/10/94 On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
05001AA	APRICOTS-FRESH	20.000	P	0.673786	1.123	0.00002957921	0.04100	0.000234	0.000	0.00000001027
	10 RAW-FRESH OR NFS						0.04100	0.000319	0.001	0.00000001400
	21 COOKED-NFS						0.04100	0.000828	0.001	0.000000003635
05001DA	APRICOTS-DRIED	20.000	P	0.048480	0.081	0.00000212827	0.23000	0.000079	0.000	0.00000000347
	10 RAW-FRESH OR NFS						0.23000	0.000014	0.000	0.00000000061
05002AA	CHERRIES-FRESH	20.000	P	0.643508	1.073	0.00002825000	0.34000	0.002508	0.004	0.00000011010
	10 RAW-FRESH OR NFS						0.34000	0.001500	0.003	0.000000006585
	21 COOKED-NFS						0.34000	0.004265	0.007	0.00000018723
	31 COOKED-FRESH OR CANNED						0.34000	0.002667	0.004	0.000000011708
05002DA	CHERRIES-DRIED	20.000	P	0.000080	0.000	0.000000000351	2.07000	0.000002	0.000	0.00000000009
	00 NOT SPECIFIED						0.34000	0.001063	0.002	0.00000004667
05002JA	CHERRIES-JUICE	20.000	P	0.102240	0.170	0.00000448834	0.34000	0.000096	0.000	0.00000000421
	15 RAW-FRESH OR CANNED						0.22000	0.002853	0.005	0.00000012525
	21 COOKED-NFS						0.51700	0.051945	0.087	0.00000228039
05003AA	NECTARINES	20.000	P	0.259324	0.432	0.00001138432	0.51700	0.005085	0.008	0.00000022323
	10 RAW-FRESH OR NFS						0.51700	0.041300	0.069	0.00000181307
	21 COOKED-NFS						0.51700	0.013028	0.022	0.000000057193
05004AA	PEACHES-FRESH	20.000	P	4.307832	7.180	0.00018911382	3.52000	0.000082	0.000	0.000000000360
	10 RAW-FRESH OR NFS						0.06900	0.001284	0.002	0.00000005637
	21 COOKED-NFS						0.06900	0.000431	0.001	0.00000001892
05005AA	PLUMS(DAWSONS)-FRESH	20.000	P	0.497252	0.829	0.00002182936	0.27600	0.000170	0.000	0.00000000746
	10 RAW-FRESH OR NFS						0.27600	0.001197	0.002	0.00000005255
	21 COOKED-NFS						0.27600	0.000236	0.000	0.00000001036
05005DA	PLUMS-PRUNES(DRIED)	20.000	P	0.348426	0.581	0.00001529590	0.13800	0.001895	0.003	0.000000008319
	10 RAW-FRESH OR NFS						0.13800	0.000003	0.000	0.000000000013
	21 COOKED-NFS									
05005JA	PLUMS/PRUNE-JUICE	20.000	P	0.385134	0.642	0.00001690738				
	10 RAW-FRESH OR NFS									
	21 COOKED-FRESH OR CANNED									
	31 COOKED-FRESH OR CANNED									
	62 COOKED-FRESH OR FROZEN-BAKED									
CROP GROUP TOTALS FOR STONE FRUITS:		7.273006		12.122		0.00031928496		0.133177	0.222	0.00000584647

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2Yr feeding- rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12,4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).	ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000 q*: 0.04390	No data gaps.	WHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOOD FORM	TOLERANCE (PPM)	THRC (UG/KG/DAY)	%RD	THRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RD	ARC ONCO RISK
	21 COOKED-NFS					0.26600	0.001322	0.002	0.00000005804
	70 RAW-FROZEN					0.26600	0.001472	0.002	0.00000006462
CROP GROUP TOTALS FOR SMALL FRUITS AND BERRIES:									
			3.355475	5.592	0.00014730535		0.029081	0.048	0.00000127666

24004AA	RICE-ROUGH					0.57000	0.000008	0.000	0.00000000035
	21 COOKED-NFS					0.57000	0.001736	0.003	0.00000007621
	23 COOKED-FRESH-BOILED					0.57000	0.001736	0.003	0.00000007621
	23 COOKED-FRESH-BOILED					0.57000	0.001736	0.003	0.00000007621
24004AB	RICE-MILLED					0.06300	0.003260	0.005	0.00000014311
	21 COOKED-NFS					0.06300	0.001375	0.002	0.00000006036
	22 COOKED-FRESH-BAKED					0.06300	0.004647	0.008	0.00000020400
	23 COOKED-FRESH-BOILED					0.06300	0.000500	0.001	0.00000002195
	31 COOKED-FRESH OR CANNED					0.06300	0.000500	0.001	0.00000002195
CROP GROUP TOTALS FOR CEREAL GRAINS:									
			1.583227	2.639	0.00006950367		0.013262	0.022	0.00000058220

03001AA	ALMONDS					0.10000	0.000131	0.000	0.00000000575
	10 RAW-FRESH OR NFS					0.10000	0.000094	0.000	0.00000000413
	21 COOKED-NFS					0.10000	0.000056	0.000	0.00000000246
	22 COOKED-FRESH-BAKED					0.10000	0.000056	0.000	0.00000000246
CROP GROUP TOTALS FOR TREE NUTS:									
			0.000841	0.001	0.00000003692		0.000281	0.000	0.00000001234

53001BA	BEEF-MEAT BYPRODUCTS					0.00087	0.000014	0.000	0.00000000061
	21 COOKED-NFS					0.00087	0.000001	0.000	0.00000000004
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED					0.00087	0.000001	0.000	0.00000000004
53001BB	BEEF(ORGAN MEATS)-OTHER					0.00990	0.000051	0.000	0.00000000224
	21 COOKED-NFS					0.00990	0.000008	0.000	0.00000000035
	51 COOKED-CANNED					0.00990	0.000008	0.000	0.00000000035
53001DA	BEEF-DRIED					0.00087	0.000002	0.000	0.00000000009
	21 COOKED-NFS					0.00087	0.000002	0.000	0.00000000009
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW)					0.00260	0.000004	0.000	0.00000000018
	10 RAW-FRESH OR NFS					0.00260	0.000385	0.001	0.00000001690
	21 COOKED-NFS					0.00260	0.000065	0.000	0.00000000285
	22 COOKED-FRESH-BAKED					0.00260	0.000087	0.000	0.00000000382
	23 COOKED-FRESH-BOILED					0.00260	0.000370	0.001	0.00000001624
	24 COOKED-FRESH-BOILED					0.00260	0.000056	0.000	0.00000000246
53001KA	BEEF(ORGAN MEATS)-KIDNEY					0.00990	0.000005	0.000	0.00000000022
	21 COOKED-NFS					0.00990	0.000005	0.000	0.00000000022

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene) Caswell #4704 CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2yr feeding- rat NOEL= 6,100 mg/kg 150.00 ppm LEL= 12,400 mg/kg 300.00 ppm ONCO: B2 (HCRRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenic- ity in mice (liver; M&F) & rats (testicular; M).	ADI UF --->100 OP RfD= 0.060000 EPA RfD= 0.040000 Q*: 0.04390	No data gaps.	WHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK	
53001LA	BEEF(ORGAN MEATS)-LIVER 25 COOKED-FRESH-FRIED	3.000	P	0.062094	0.103	0.00000272593	0.00820	0.000167	0.000	0.00000000733
	31 COOKED-FRESH OR CANNED					0.00820	0.000002	0.000	0.00000000009	
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVABLE FAT) 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED 23 COOKED-FRESH-BOILED 24 COOKED-FRESH-BROILED	0.500	P	0.580995	0.968	0.00002550568	0.00087	0.000000	0.000	0.00000000000
53002BA	GOAT-MEAT BYPRODUCTS 00 NOT SPECIFIED	0.500	P	0.000000	0.000	0.00000000000	0.00087	0.000000	0.000	0.00000000000
53002BB	GOAT(ORGAN MEATS)-OTHER 00 NOT SPECIFIED	0.500	P	0.000000	0.000	0.00000000000	0.00090	0.000000	0.000	0.00000000000
53002FA	GOAT(BONELESS)-FAT 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED	0.500	P	0.000020	0.000	0.00000000088	0.00260	0.000000	0.000	0.00000000000
53002KA	GOAT(ORGAN MEATS)-KIDNEY 00 NOT SPECIFIED	3.000	P	0.000003	0.000	0.00000000013	0.00090	0.000000	0.000	0.00000000000
53002LA	GOAT(ORGAN MEATS)-LIVER 00 NOT SPECIFIED	3.000	P	0.000003	0.000	0.00000000013	0.00820	0.000000	0.000	0.00000000000
53002MA	GOAT(BONELESS)-LEAN (W/O REMOVABLE FAT) 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED	0.500	P	0.000095	0.000	0.00000000417	0.00087	0.000000	0.000	0.00000000000
53003AA	HORSE 00 NOT SPECIFIED	3.000	P	0.000003	0.000	0.00000000013	3.00000	0.000003	0.000	0.00000000013
53005BA	SHEEP-MEAT BYPRODUCTS 21 COOKED-NFS	0.500	P	0.000025	0.000	0.00000000110	0.00087	0.000000	0.000	0.00000000000
53005BB	SHEEP(ORGAN MEATS)-OTHER 21 COOKED-NFS	0.500	P	0.000010	0.000	0.00000000044	0.00090	0.000000	0.000	0.00000000000
53005FA	SHEEP(BONELESS)-FAT 21 COOKED-NFS	0.500	P	0.002148	0.004	0.00000009430	0.00260	0.000011	0.000	0.00000000048
53005KA	SHEEP(ORGAN MEATS)-KIDNEY 21 COOKED-NFS	3.000	P	0.000024	0.000	0.00000000105	0.00090	0.000000	0.000	0.00000000000
53005LA	SHEEP(ORGAN MEATS)-LIVER 00 NOT SPECIFIED	3.000	P	0.000003	0.000	0.00000000013	0.00820	0.000000	0.000	0.00000000000
53005MA	SHEEP(BONELESS)-LEAN (W/O REMOVABLE FAT) 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.500	P	0.006242	0.010	0.00000027402	0.00087	0.000010	0.000	0.00000000044
53006BA	PORK-MEAT BYPRODUCTS 21 COOKED-NFS	0.500	P	0.012540	0.021	0.00000055051	0.00087	0.000001	0.000	0.00000000004
53006BB	PORK(ORGAN MEATS)-OTHER 21 COOKED-NFS	0.500	P	0.001925	0.003	0.00000008451	0.00037	0.000009	0.000	0.00000000040

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2yr feeding- rat NOEL= 6.1000 mg/kg 150.00 ppm LEI= 12.4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).	ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000 q*: 0.04390	No data gaps.	WHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
53006FA	26 COOKED-FRESH-PICKLED, CORNED, OR CURED PORK(BONELESS)-FAT (INCLUDING LARD)	0.500	P	0.104101	0.174	0.00000457003	0.00430	0.000001	0.000	0.00000000004
	10 RAW-FRESH OR NFS						0.00110	0.000002	0.000	0.00000000009
	21 COOKED-NFS						0.00110	0.000107	0.000	0.00000000470
	23 COOKED-FRESH-BOILED						0.00110	0.000025	0.000	0.00000000110
	25 COOKED-FRESH-FRIED						0.00110	0.000027	0.000	0.00000000119
53006KA	26 COOKED-FRESH-PICKLED, CORNED, OR CURED PORK(ORGAN MEATS)-KIDNEY	3.000	P	0.000032	0.000	0.00000000140	0.00110	0.000068	0.000	0.00000000299
	21 COOKED-NFS						0.00430	0.000000	0.000	0.00000000000
53006LA	21 COOKED-NFS PORK(ORGAN MEATS)-LIVER	3.000	P	0.014458	0.024	0.00000065471	0.00350	0.000015	0.000	0.00000000066
	21 COOKED-NFS						0.00350	0.000002	0.000	0.00000000009
53006MA	25 COOKED-FRESH-FRIED PORK(BONELESS)-LEAN (W/O REMOVABLE FAT)	0.500	P	0.195623	0.326	0.00000858785	0.00037	0.000067	0.000	0.00000000294
	21 COOKED-NFS						0.00037	0.000018	0.000	0.00000000079
	25 COOKED-FRESH-FRIED						0.00037	0.000060	0.000	0.00000000263
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED									
CROP GROUP TOTALS FOR RED MEAT:				1.180935	1.968	0.00005184305		0.02668	0.004	0.00000011713
55008BA	21 COOKED-NFS TURKEY-BYPRODUCTS	1.000	P	0.000236	0.000	0.00000001036	0.00057	0.000000	0.000	0.00000000000
	26 COOKED-FRESH-PICKLED, CORNED, OR CURED						0.00057	0.000000	0.000	0.00000000000
55008LA	21 COOKED-NFS TURKEY-GIBLETS (LIVER)	5.000	P	0.000268	0.000	0.00000001177	0.01040	0.000000	0.000	0.00000000000
	25 COOKED-FRESH-FRIED						0.01040	0.000000	0.000	0.00000000000
55008MA	21 COOKED-NFS TURKEY-FLESH(W/O SKIN & W/O BONES)	1.000	P	0.007973	0.013	0.00000035001	0.00057	0.000003	0.000	0.00000000013
	31 COOKED-FRESH OR CANNED						0.00057	0.000001	0.000	0.00000000004
	62 COOKED-FRESH OR FROZEN-BAKED						0.00057	0.000001	0.000	0.00000000004
55008MB	21 COOKED-NFS TURKEY-FLESH(+SKIN & W/O BONES)	3.500	P	0.168579	0.281	0.00000740062	0.00440	0.000200	0.000	0.00000000878
	25 COOKED-FRESH-FRIED						0.00440	0.000012	0.000	0.00000000053
55008MC	21 COOKED-NFS TURKEY-UNSPECIFIED	1.000	P	0.000095	0.000	0.00000000417	0.00440	0.000000	0.000	0.00000000000
55013BA	00 NOT SPECIFIED Poultry/Other-Byproducts	1.000	P	0.000001	0.000	0.00000000004	0.00057	0.000000	0.000	0.00000000000
55013LA	25 COOKED-FRESH-FRIED Poultry/Other-GIBLETS(LIVER)	5.000	P	0.001161	0.002	0.00000005097	0.01040	0.000002	0.000	0.00000000009
55013MA	21 COOKED-NFS Poultry/Other-Flesh (+Skin & W/O Bones)	3.500	P	0.018859	0.031	0.00000082791	0.00440	0.000024	0.000	0.00000000105
55015BA	00 NOT SPECIFIED Chicken-Byproducts	1.000	P	0.000001	0.000	0.00000000004	0.00057	0.000000	0.000	0.00000000000

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
Iprodione (Glycophene) Caswell #470A CAS No. 36734-19-7 A.I. CODE: 109801 CFR No. 180.399 185.3750	2yr feeding- rat NOEL= 6,1000 mg/kg 150.00 ppm LEL= 12,4000 mg/kg 300.00 ppm ONCO: B2 (HCPRC)	Enlargement of the cells of the zona glomerulosa in M&F. Evidence of carcinogenicity in mice (liver; M&F) & rats (testicular; M).	ADI UF -->100 OPP RfD= 0.060000 EPA RfD= 0.040000 q*: 0.04390	No data gaps.	WHO reviewed 1977 HED reviewed 12/19/86 EPA verified 07/15/87 WHO reviewed 1992 RfD/PR reviewed 02/10/94 On IRIS.

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)		ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
							RESIDUE (PPM)	ARC (UG/KG/DAY)			
55015LA	CHICKEN-GIBLETS(LIVER)	5.000	P	0.025313	0.042	0.0000011124	0.01040	0.000002	0.0000000009	0.000	0.0000000009
	21 COOKED-NFS						0.01040	0.000047	0.0000000206	0.000	0.0000000206
	25 COOKED-FRESH-FRIED						0.01040	0.000004	0.00000000018	0.000	0.00000000018
55015MA	CHICKEN-FLESH(W/O SKIN & W/O BONES)	1.000	P	0.060136	0.100	0.00000263997	0.00057	0.000022	0.00000000097	0.000	0.00000000097
	21 COOKED-NFS						0.00057	0.000003	0.00000000013	0.000	0.00000000013
	22 COOKED-FRESH-BAKED						0.00057	0.000001	0.00000000004	0.000	0.00000000004
	25 COOKED-FRESH-FRIED						0.00057	0.000005	0.00000000022	0.000	0.00000000022
	31 COOKED-FRESH OR CANNED						0.00057	0.000003	0.00000000013	0.000	0.00000000013
55015MB	CHICKEN-FLESH(+SKIN & W/O BONES)	3.500	P	1.327622	2.213	0.00005828261	0.00440	0.000909	0.0000003991	0.002	0.0000003991
	21 COOKED-NFS						0.00440	0.000760	0.0000003336	0.001	0.0000003336
	25 COOKED-FRESH-FRIED										
CROP GROUP TOTALS FOR POUFLTRY:				1.610244	2.684	0.00007068971		0.001999	0.003		0.00000008776
50000DB	MILK-NON-FAT SOLIDS	0.500	P	3.556431	5.927	0.00015612732	0.00030	0.001711	0.003		0.00000007511
	10 RAW-FRESH OR NFS						0.00030	0.000347	0.001		0.00000001523
	21 COOKED-NFS						0.00030	0.000076	0.000		0.00000000334
	51 COOKED-CANNED										
50000FA	MILK-FAT SOLIDS	0.500	P	1.691807	2.820	0.00007427033	0.00030	0.000799	0.001		0.00000003508
	10 RAW-FRESH OR NFS						0.00030	0.000213	0.000		0.00000000935
	21 COOKED-NFS						0.00030	0.000003	0.000		0.00000000013
	51 COOKED-CANNED										
50000SA	MILK SUGAR (LACTOSE)	0.500	P	0.018714	0.031	0.00000082154	0.00030	0.000000	0.000		0.00000000000
	21 COOKED-NFS						0.00030	0.000011	0.000		0.000000000048
	51 COOKED-CANNED										
55014AA	EGGS-WHOLE	1.500	P	0.846753	1.411	0.00003717246	0.00240	0.000010	0.000		0.000000000044
	10 RAW-FRESH OR NFS						0.00240	0.000749	0.001		0.00000003288
	21 COOKED-NFS						0.00240	0.000144	0.000		0.00000000632
	22 COOKED-FRESH-BAKED						0.00240	0.000059	0.000		0.00000000259
	23 COOKED-FRESH-BOILED						0.00240	0.000393	0.001		0.00000001725
	25 COOKED-FRESH-FRIED										
55014AB	EGGS-WHITE ONLY	1.500	P	0.013807	0.023	0.00000060613	0.00240	0.000000	0.000		0.00000000000
	10 RAW-FRESH OR NFS						0.00240	0.000002	0.000		0.00000000009
	21 COOKED-NFS						0.00240	0.000015	0.000		0.00000000066
	22 COOKED-FRESH-BAKED						0.00240	0.000001	0.000		0.00000000004
	62 COOKED-FRESH OR FROZEN-BAKED						0.00240	0.000003	0.000		0.00000000013
	81 COOKED-FROZEN										
55014AC	EGGS-YOLK ONLY	1.500	P	0.009948	0.017	0.00000043672	0.00240	0.000002	0.000		0.00000000009
	10 RAW-FRESH OR NFS										

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COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC TYPE (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
21	COOKED-NFS					0.00240	0.000005	0.000	0.00000000022
25	COOKED-FRESH-FRIED					0.00240	0.000006	0.000	0.00000000026
31	COOKED-FRESH OR CANNED					0.00240	0.000003	0.000	0.00000000013
CROP GROUP TOTALS FOR DAIRY PRODUCTS:			6.137460	10.229	0.00026943449		0.004552	0.008	0.00000019983

GRAND TOTALS FOR U.S. POPULATION - 48 STATES

32.712658

54.521

0.00143608569

0.268755

0.448

0.00001179834

TOLERANCE TYPE: N=NEW; A=PENDING; P=PUBLISHED
 TMRC=THEORETICAL MAXIMUM RESIDUE CONTRIBUTION
 ARC = ANTICIPATED RESIDUE CONTRIBUTION
 RFD = REFERENCE DOSE